Timothy Noel

List of Publications by Year
in descending order

184	12,349	56	104
papers	citations	h-index	g-index
		26567	29081

224	224	224	7837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Technological Innovations in Photochemistry for Organic Synthesis: Flow Chemistry, High-Throughput Experimentation, Scale-up, and Photoelectrochemistry. Chemical Reviews, 2022, 122, 2752-2906.	23.0	330
2	On the performance of liquid-liquid Taylor flow electrochemistry in a microreactor â€“ A CFD study. Chemical Engineering Journal, 2022, 427, 131443.	6.6	8
3	A meso-scale ultrasonic milli-reactor enables gasâ€“liquid-solid photocatalytic reactions in flow. Chemical Engineering Journal, 2022, 428, 130968.	6.6	36
4	The development of luminescent solar concentrator-based photomicroreactors: a cheap reactor enabling efficient solar-powered photochemistry. Photochemical and Photobiological Sciences, 2022, 21, 705-717.	1.6	16
5	The promise and pitfalls of photocatalysis for organic synthesis. Chem Catalysis, 2022, 2, 468-476.	2.9	61
6	Scale-Up of a Heterogeneous Photocatalytic Degradation Using a Photochemical Rotorâ€“Stator Spinning Disk Reactor. Organic Process Research and Development, 2022, 26, 1279-1288.	1.3	27
7	Electrochemical Hydroxylation of Electronâ€Rich Arenes in Continuous Flow. European Journal of Organic Chemistry, 2022, 2022, .	1.2	11
8	Boosting the valorization of biomass and green electrons to chemical building blocks: A study on the kinetics and mass transfer during the electrochemical conversion of HMF to FDCA in a microreactor. Chemical Engineering Journal, 2022, 438, 135393.	6.6	15
9	Accelerated and Scalable C(sp³)â€“H Amination via Decatungstate Photocatalysis Using a Flow Photoreactor Equipped with High-Intensity LEDs. ACS Central Science, 2022, 8, 51-56.	5.3	35
10	Photocatalytic generation of ligated boryl radicals from tertiary amine-borane complexes: An emerging tool in organic synthesis. Chem Catalysis, 2022, 2, 957-966.	2.9	12
11	Accelerating the Photocatalytic Atom Transfer Radical Addition Reaction Induced by Bi₂O₃ with Amines: Experiment and Computation. ChemCatChem, 2022, 14, .	1.8	3
12	Direct Synthesis of Î±-Sulfenylated Ketones under Electrochemical Conditions. Journal of Organic Chemistry, 2022, 87, 5856-5865.	1.7	6
13	Interfacing single-atom catalysis with continuous-flow organic electrosynthesis. Chemical Society Reviews, 2022, 51, 3898-3925.	18.7	50
14	Synthetic Applications of Photocatalyzed Halogenâ€Radical Mediated Hydrogen Atom Transfer for Câˆ’H Bond Functionalization. European Journal of Organic Chemistry, 2022, 2022, .	1.2	36
15	Modular allylation of C(sp³)â€“H bonds by combining decatungstate photocatalysis and HWE olefination in flow. Chemical Science, 2022, 13, 7325-7331.	3.7	20
16	Photo isomerization of cis â€cyclooctene to trans â€cyclooctene: Integration of a microâ€flow reactor and separation by specific adsorption. AIChE Journal, 2021, 67, e17067.	1.8	6
17	Flow chemistry experiments in the undergraduate teaching laboratory: synthesis of diazo dyes and disulfides. Journal of Flow Chemistry, 2021, 11, 7-12.	1.2	14
18	Gas bubbles have controversial effects on Taylor flow electrochemistry. Chemical Engineering Journal, 2021, 406, 126811.	6.6	29

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19	Homogeneous catalytic C(sp³)â€“H functionalization of gaseous alkanes. Chemical Communications, 2021, 57, 9956-9967.	2.2	21
20	Shedding light on the nature of the catalytically active species in photocatalytic reactions using Bi2O3 semiconductor. Nature Communications, 2021, 12, 625.	5.8	56
21	Electrochemical Aziridination of Internal Alkenes with Primary Amines. CheM, 2021, 7, 255-266.	5.8	54
22	Meet the flow chemists Prof. Steve Christie and Prof. Shawn Collins. Journal of Flow Chemistry, 2021, 11, 3-6.	1.2	0
23	Continuous-Flow Synthesis of Pyrylium Tetrafluoroborates: Application to Synthesis of Katritzky Salts and Photoinduced Cationic RAFT Polymerization. Organic Letters, 2021, 23, 2042-2047.	2.4	17
24	Scale-up of micro- and milli-reactors: An overview of strategies, design principles and applications. Chemical Engineering Science: X, 2021, 10, 100097.	1.5	81
25	Decatungstateâ€Mediated C(sp³)â€“H Heteroarylation via Radicalâ€Polar Crossover in Batch and Flow. Angewandte Chemie - International Edition, 2021, 60, 17893-17897.	7.2	56
26	Decatungstateâ€Mediated C(sp 3)â€“H Heteroarylation via Radicalâ€Polar Crossover in Batch and Flow. Angewandte Chemie, 2021, 133, 18037-18041.	1.6	5
27	Rapid and Direct Photocatalytic C(sp 3)â^’H Acylation and Arylation in Flow. Angewandte Chemie, 2021, 133, 21447-21452.	1.6	4
28	Rapid and Direct Photocatalytic C(sp³)â^’H Acylation and Arylation in Flow. Angewandte Chemie - International Edition, 2021, 60, 21277-21282.	7.2	61
29	Dehydrogenative Azolation of Arenes in a Microflow Electrochemical Reactor. Journal of Organic Chemistry, 2021, 86, 16195-16203.	1.7	16
30	Photocatalytic Câ^’H Azolation of Arenes Using Heterogeneous Carbon Nitride in Batch and Flow. ChemSusChem, 2021, 14, 5265-5270.	3.6	14
31	Meet The Flow Chemist â€“ Prof. Ryan L. Hartman. Journal of Flow Chemistry, 2021, 11, 215-216.	1.2	0
32	Development of an Offâ€Grid Solarâ€Powered Autonomous Chemical Miniâ€Plant for Producing Fine Chemicals. ChemSusChem, 2021, 14, 5417-5423.	3.6	13
33	Meet the Flow Chemist â€“ Dr. Anna G. Slater. Journal of Flow Chemistry, 2021, 11, 705-706.	1.2	0
34	Meet The Flow Chemist â€“ Alain George. Journal of Flow Chemistry, 2021, 11, 703-704.	1.2	0
35	Screening of functional solvent system for automatic aldehyde and ketone separation in aldol reaction: A combined COSMO-RS and experimental approach. Chemical Engineering Journal, 2020, 385, 123399.	6.6	17
36	CFD analysis of a luminescent solar concentrator-based photomicroreactor (LSC-PM) with feedforward control applied to the synthesis of chemicals under fluctuating light intensity. Chemical Engineering Research and Design, 2020, 153, 626-634.	2.7	16

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37	Flow Photochemistry: Shine Some Light on Those Tubes!. Trends in Chemistry, 2020, 2, 92-106.	4.4	245
38	Silyl Radical-Mediated Activation of Sulfamoyl Chlorides Enables Direct Access to Aliphatic Sulfonamides from Alkenes. Journal of the American Chemical Society, 2020, 142, 720-725.	6.6	78
39	Meet The Flow Chemist â€“ Dr. Amol A. Kulkarni. Journal of Flow Chemistry, 2020, 10, 471.	1.2	0
40	Meet the flow chemist. Journal of Flow Chemistry, 2020, 10, 585-588.	1.2	0
41	Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. Journal of the American Chemical Society, 2020, 142, 9181-9187.	6.6	120
42	Process intensification of a photochemical oxidation reaction using a Rotor-Stator Spinning Disk Reactor: A strategy for scale up. Chemical Engineering Journal, 2020, 400, 125875.	6.6	56
43	Photocatalytic trifluoromethoxylation of arenes and heteroarenes in continuous-flow. Beilstein Journal of Organic Chemistry, 2020, 16, 1305-1312.	1.3	18
44	C(sp ³)â€“H functionalizations of light hydrocarbons using decatungstate photocatalysis in flow. Science, 2020, 369, 92-96.	6.0	263
45	Optimization of a Decatungstate-Catalyzed C(sp³)â€“H Alkylation Using a Continuous Oscillatory Millistructured Photoreactor. Organic Process Research and Development, 2020, 24, 2356-2361.	1.3	37
46	Pushing the boundaries of Câ€“H bond functionalization chemistry using flow technology. Journal of Flow Chemistry, 2020, 10, 13-71.	1.2	76
47	Accelerating sulfonyl fluoride synthesis through electrochemical oxidative coupling of thiols and potassium fluoride in flow. Journal of Flow Chemistry, 2020, 10, 191-197.	1.2	23
48	Photocatalytic deaminative benzylation and alkylation of tetrahydroisoquinolines with N-alkylpyrydinium salts. Beilstein Journal of Organic Chemistry, 2020, 16, 809-817.	1.3	15
49	Repeatable molecularly recyclable semiâ€aromatic polyesters derived from lignin. Journal of Polymer Science, 2020, 58, 1655-1663.	2.0	4
50	Process intensification education contributes to sustainable development goals. Part 1. Education for Chemical Engineers, 2020, 32, 1-14.	2.8	42
51	Process intensification education contributes to sustainable development goals. Part 2. Education for Chemical Engineers, 2020, 32, 15-24.	2.8	28
52	Solar Photochemistry in Flow. Topics in Current Chemistry Collections, 2020, , 1-27.	0.2	1
53	Photocatalytic Modification of Amino Acids, Peptides, and Proteins. Chemistry - A European Journal, 2019, 25, 26-42.	1.7	145
54	Energyâ€Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. Angewandte Chemie, 2019, 131, 14512-14516.	1.6	18

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55	Application of metal oxide semiconductors in light-driven organic transformations. Catalysis Science and Technology, 2019, 9, 5186-5232.	2.1	143
56	Energyâ€Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. Angewandte Chemie - International Edition, 2019, 58, 14374-14378.	7.2	80
57	Photoarylation of Pyridines Using Aryldiazonium Salts and Visible Light: An EDA Approach. Journal of Organic Chemistry, 2019, 84, 10459-10471.	1.7	32
58	Sulfonyl Fluoride Synthesis through Electrochemical Oxidative Coupling of Thiols and Potassium Fluoride. Journal of the American Chemical Society, 2019, 141, 11832-11836.	6.6	148
59	Ironâ€Catalyzed Crossâ€Coupling of Alkynyl and Styrenyl Chlorides with Alkyl Grignard Reagents in Batch and Flow. Chemistry - A European Journal, 2019, 25, 14532-14535.	1.7	21
60	The Fundamentals Behind the Use of Flow Reactors in Electrochemistry. Accounts of Chemical Research, 2019, 52, 2858-2869.	7.6	323
61	Visibleâ€Lightâ€Promoted Ironâ€Catalyzed C(sp²)â€“C(sp³) Kumada Crossâ€Coupling in Flow. Angewandte Chemie - International Edition, 2019, 58, 13030-13034.	7.2	71
62	Visibleâ€Lightâ€Promoted Ironâ€Catalyzed C(sp 2)â€“C(sp 3) Kumada Crossâ€Coupling in Flow. Angewandte Chemie, 2019, 131, 13164-13168.	1.6	9
63	Sulfonamide Synthesis through Electrochemical Oxidative Coupling of Amines and Thiols. Journal of the American Chemical Society, 2019, 141, 5664-5668.	6.6	146
64	Efficient Electrocatalytic Reduction of Furfural to Furfuryl Alcohol in a Microchannel Flow Reactor. Organic Process Research and Development, 2019, 23, 403-408.	1.3	65
65	<i>De novo</i> Design of Organic Photocatalysts: Bithiophene Derivatives for the Visibleâ€light Induced Câˆ’H Functionalization of Heteroarenes. Advanced Synthesis and Catalysis, 2019, 361, 945-950.	2.1	43
66	Real-time reaction control for solar production of chemicals under fluctuating irradiance. Green Chemistry, 2018, 20, 2459-2464.	4.6	39
67	Selective C(sp³)âˆ’H Aerobic Oxidation Enabled by Decatungstate Photocatalysis in Flow. Angewandte Chemie - International Edition, 2018, 57, 4078-4082.	7.2	179
68	Continuous-Flow In-Line Solvent-Swap Crystallization of Vitamin D₃. Organic Process Research and Development, 2018, 22, 178-189.	1.3	12
69	Microflow High-p,T Intensification of Vitamin D₃ Synthesis Using an Ultraviolet Lamp. Organic Process Research and Development, 2018, 22, 147-155.	1.3	21
70	Selective C(sp³)âˆ’H Aerobic Oxidation Enabled by Decatungstate Photocatalysis in Flow. Angewandte Chemie, 2018, 130, 4142-4146.	1.6	45
71	Scale-up of a Luminescent Solar Concentrator-Based Photomicroreactor via Numbering-up. ACS Sustainable Chemistry and Engineering, 2018, 6, 422-429.	3.2	68
72	Design and application of a modular and scalable electrochemical flow microreactor. Journal of Flow Chemistry, 2018, 8, 157-165.	1.2	70

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73	Solar Photochemistry in Flow. Topics in Current Chemistry, 2018, 376, 45.	3.0	41
74	Homogeneous and Gasâ€“Liquid Catellaniâ€Type Reaction Enabled by Continuousâ€Flow Chemistry. Chemistry - A European Journal, 2018, 24, 14079-14083.	1.7	28
75	A Fully Automated Continuousâ€Flow Platform for Fluorescence Quenching Studies and Sternâ€“Volmer Analysis. Angewandte Chemie, 2018, 130, 11448-11452.	1.6	12
76	Biocatalytic synthesis of the Green Note <i>trans</i>-2-hexenal in a continuous-flow microreactor. Beilstein Journal of Organic Chemistry, 2018, 14, 697-703.	1.3	34
77	Visible-Light Photocatalytic Difluoroalkylation-Induced 1, 2-Heteroarene Migration of Allylic Alcohols in Batch and Flow. Journal of Organic Chemistry, 2018, 83, 11377-11384.	1.7	40
78	A Fully Automated Continuousâ€Flow Platform for Fluorescence Quenching Studies and Sternâ€“Volmer Analysis. Angewandte Chemie - International Edition, 2018, 57, 11278-11282.	7.2	73
79	Laserâ€Mediated Photoâ€Highâ€p,T Intensification of Vitamin D₃ Synthesis in Continuous Flow. ChemPhotoChem, 2018, 2, 922-930.	1.5	9
80	Kinetic study of hydrogen peroxide decomposition at high temperatures and concentrations in two capillary microreactors. AIChE Journal, 2017, 63, 689-697.	1.8	35
81	InnenrÃ¼cktitelbild: A Leafâ€Inspired Luminescent Solar Concentrator for Energyâ€Efficient Continuousâ€Flow Photochemistry (Angew. Chem. 4/2017). Angewandte Chemie, 2017, 129, 1179-1179.	1.6	1
82	Access to cyclic gem-difluoroacyl scaffolds via electrochemical and visible light photocatalytic radical tandem cyclization of heteroaryl chlorodifluoromethyl ketones. Chemical Communications, 2017, 53, 5653-5656.	2.2	19
83	Industrial Photochemistry: From Laboratory Scale to Industrial Scale. , 2017, , 245-267.		8
84	Merger of Visible-Light Photoredox Catalysis and Câ€“H Activation for the Room-Temperature C-2 Acylation of Indoles in Batch and Flow. ACS Catalysis, 2017, 7, 3818-3823.	5.5	116
85	Heterogeneous Photoreactions in Continuous Flow. , 2017, , 199-212.		1
86	A Modular Flow Design for the <i>meta</i>â€Selective Câ^'H Arylation of Anilines. Angewandte Chemie - International Edition, 2017, 56, 7161-7165.	7.2	68
87	Safety assessment in development and operation of modular continuous-flow processes. Reaction Chemistry and Engineering, 2017, 2, 258-280.	1.9	179
88	A sensitivity analysis of a numbered-up photomicroreactor system. Reaction Chemistry and Engineering, 2017, 2, 109-115.	1.9	50
89	A Leafâ€Inspired Luminescent Solar Concentrator for Energyâ€Efficient Continuousâ€Flow Photochemistry. Angewandte Chemie, 2017, 129, 1070-1074.	1.6	35
90	Disulfideâ€Catalyzed Visibleâ€Lightâ€Mediated Oxidative Cleavage of C=C Bonds and Evidence of an Olefinâ€“Disulfide Chargeâ€Transfer Complex. Angewandte Chemie, 2017, 129, 850-854.	1.6	29

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91	Disulfideâ€Catalyzed Visibleâ€Lightâ€Mediated Oxidative Cleavage of C=C Bonds and Evidence of an Olefinâ€"Disulfide Chargeâ€Transfer Complex. Angewandte Chemie - International Edition, 2017, 56, 832-836.	7.2	119
92	A Leafâ€Inspired Luminescent Solar Concentrator for Energyâ€Efficient Continuousâ€Flow Photochemistry. Angewandte Chemie - International Edition, 2017, 56, 1050-1054.	7.2	109
93	A personal perspective on the future of flow photochemistry. Journal of Flow Chemistry, 2017, 7, 87-93.	1.2	85
94	Every photon counts: understanding and optimizing photon paths in luminescent solar concentrator-based photomicroreactors (LSC-PMs). Reaction Chemistry and Engineering, 2017, 2, 561-566.	1.9	32
95	Visible-Light Photocatalytic Decarboxylation of Î±,Î²-Unsaturated Carboxylic Acids: Facile Access to Stereoselective Difluoromethylated Styrenes in Batch and Flow. ACS Catalysis, 2017, 7, 7136-7140.	5.5	87
96	A Modular Flow Design for the <i>meta</i>â€Selective Câˆ'H Arylation of Anilines. Angewandte Chemie, 2017, 129, 7267-7271.	1.6	27
97	Visibleâ€Lightâ€Mediated Selective Arylation of Cysteine in Batch and Flow. Angewandte Chemie, 2017, 129, 12876-12881.	1.6	30
98	Visibleâ€Lightâ€Mediated Selective Arylation of Cysteine in Batch and Flow. Angewandte Chemie - International Edition, 2017, 56, 12702-12707.	7.2	94
99	Flow Chemistry Perspective for C H Bond Functionalization. , 2017, , 275-288.		5
100	An environmentally benign and selective electrochemical oxidation of sulfides and thiols in a continuous-flow microreactor. Green Chemistry, 2017, 19, 4061-4066.	4.6	133
101	Flow Synthesis of Diaryliodonium Triflates. Journal of Organic Chemistry, 2017, 82, 11735-11741.	1.7	43
102	Mild and selective base-free Câ€"H arylation of heteroarenes: experiment and computation. Chemical Science, 2017, 8, 1046-1055.	3.7	91
103	Micro-flow photosynthesis of new dienophiles for inverse-electron-demand Dielsâ€"Alder reactions. Potential applications for pretargeted in vivo PET imaging. Chemical Science, 2017, 8, 1251-1258.	3.7	37
104	Effect of Acetonitrileâ€Based Crystallization Conditions on the Crystal Quality ofÂVitaminÂD₃. Chemical Engineering and Technology, 2017, 40, 2016-2024.	0.9	5
105	Metallic nanoparticles made in flow and their catalytic applications in micro-flow reactors for organic synthesis. Physical Sciences Reviews, 2016, 1, .	0.8	5
106	Batch and Flow Synthesis of Disulfides by Visibleâ€Lightâ€Induced TiO₂ Photocatalysis. ChemSusChem, 2016, 9, 1781-1785.	3.6	88
107	Photo-Claisen rearrangement of allyl phenyl ether in microflow: Influence of phenyl core substituents and vision on orthogonality. Journal of Flow Chemistry, 2016, 6, 252-259.	1.2	7
108	From alcohol to 1,2,3-triazole via a multi-step continuous-flow synthesis of a rufinamide precursor. Green Chemistry, 2016, 18, 4947-4953.	4.6	36

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109	Applications of Continuous-Flow Photochemistry in Organic Synthesis, Material Science, and Water Treatment. Chemical Reviews, 2016, 116, 10276-10341.	23.0	1,166
110	A Mechanistic Investigation of the Visibleâ€Light Photocatalytic Trifluoromethylation of Heterocycles Using CF₃I in Flow. Chemistry - A European Journal, 2016, 22, 12295-12300.	1.7	46
111	Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. Angewandte Chemie - International Edition, 2016, 55, 15549-15553.	7.2	171
112	Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. Angewandte Chemie, 2016, 128, 15778-15782.	1.6	44
113	Visible Light-Induced Trifluoromethylation and Perfluoroalkylation of Cysteine Residues in Batch and Continuous Flow. Journal of Organic Chemistry, 2016, 81, 7301-7307.	1.7	55
114	Accelerated gas-liquid visible light photoredox catalysis with continuous-flow photochemical microreactors. Nature Protocols, 2016, 11, 10-21.	5.5	88
115	Palladium-Catalyzed Aerobic Oxidative Coupling of <i>o</i>-Xylene in Flow: A Safe and Scalable Protocol for Cross-Dehydrogenative Coupling. Organic Process Research and Development, 2016, 20, 831-835.	1.3	23
116	Continuousâ€Flow Multistep Synthesis of Cinnarizine, Cyclizine, and a Buclizine Derivative from Bulk Alcohols. ChemSusChem, 2016, 9, 67-74.	3.6	54
117	High Pressure Direct Synthesis of Adipic Acid from Cyclohexene and Hydrogen Peroxide via Capillary Microreactors. Industrial & Engineering Chemistry Research, 2016, 55, 2669-2676.	1.8	24
118	Hydrogen Chloride Gas in Solvent-Free Continuous Conversion of Alcohols to Chlorides in Microflow. Organic Process Research and Development, 2016, 20, 568-573.	1.3	23
119	Continuous ruthenium-catalyzed methoxycarbonylation with supercritical carbon dioxide. Catalysis Science and Technology, 2016, 6, 4712-4717.	2.1	12
120	A convenient numbering-up strategy for the scale-up of gasâ€"liquid photoredox catalysis in flow. Reaction Chemistry and Engineering, 2016, 1, 73-81.	1.9	166
121	Utilization of milli-scale coiled flow inverter in combination with phase separator for continuous flow liquidâ€"liquid extraction processes. Chemical Engineering Journal, 2016, 283, 855-868.	6.6	114
122	Liquid phase oxidation chemistry in continuous-flow microreactors. Chemical Society Reviews, 2016, 45, 83-117.	18.7	421
123	3. Metallic nanoparticles made in flow and their catalytic applications in micro-flow reactors for organic synthesis. , 2015, , 103-133.		0
124	Visible Light Photocatalytic Metal-Free Perfluoroalkylation of Heteroarenes in Continuous Flow. Journal of Flow Chemistry, 2015, 4, 12-17.	1.2	61
125	Controlled Photocatalytic Aerobic Oxidation of Thiols to Disulfides in an Energyâ€Efficient Photomicroreactor. Chemical Engineering and Technology, 2015, 38, 1733-1742.	0.9	29
126	Leachingâ€Free Supported Gold Nanoparticles Catalyzing Cycloisomerizations under Microflow Conditions. Advanced Synthesis and Catalysis, 2015, 357, 3141-3147.	2.1	27

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127	Iridium(I)-Catalyzed<i>Ortho</i>-Directed Hydrogen Isotope Exchange in Continuous-Flow Reactors. Journal of Flow Chemistry, 2015, 5, 2-5.	1.2	14
128	Separation/recycling methods for homogeneous transition metal catalysts in continuous flow. Green Chemistry, 2015, 17, 2012-2026.	4.6	143
129	Metalâ€Free Photocatalytic Aerobic Oxidation of Thiols to Disulfides in Batch and Continuousâ€Flow. Advanced Synthesis and Catalysis, 2015, 357, 2180-2186.	2.1	164
130	Continuous metal scavenging and coupling to one-pot copper-catalyzed azide-alkyne cycloaddition click reaction in flow. Chemical Engineering Journal, 2015, 270, 468-475.	6.6	39
131	Connected nucleophilic substitution-Claisen rearrangement in flow â€" Analysis for kilo-lab process solutions with orthogonality. Chemical Engineering Journal, 2015, 281, 144-154.	6.6	7
132	A compact photomicroreactor design for kinetic studies of gasâ€liquid photocatalytic transformations. AIChE Journal, 2015, 61, 2215-2227.	1.8	70
133	Supported gold nanoparticles as efficient and reusable heterogeneous catalyst for cycloisomerization reactions. Green Chemistry, 2015, 17, 3314-3318.	4.6	40
134	Beyond Organometallic Flow Chemistry: The Principles Behind the Use of Continuous-Flow Reactors for Synthesis. Topics in Organometallic Chemistry, 2015, , 1-41.	0.7	50
135	Pressureâ€Accelerated Azideâ€"Alkyne Cycloaddition: Micro Capillary versus Autoclave Reactor Performance. ChemSusChem, 2015, 8, 504-512.	3.6	19
136	2- and 3-Stage temperature ramping for the direct synthesis of adipic acid in micro-flow packed-bed reactors. Chemical Engineering Journal, 2015, 260, 454-462.	6.6	49
137	Biotechnical Micro-Flow Processing at the EDGE â€" Lessons to be learnt for a Young Discipline. Chemical and Biochemical Engineering Quarterly, 2014, 28, 167-188.	0.5	24
138	Claisenâ€Umlagerung im RÃ¼hrâ€•und Durchflussbetrieb: VerstÃndnis des Mechanismus und Steuerung der EinflussgrÃ¶ÃŸen. Chemie-Ingenieur-Technik, 2014, 86, 2160-2179.	0.4	2
139	The Claisen Rearrangement â€" Part 2: Impact Factor Analysis of the Claisen Rearrangement, in Batch and in Flow. ChemBioEng Reviews, 2014, 1, 244-261.	2.6	10
140	The Claisen Rearrangement â€" Part 1: Mechanisms and Transition States, Revisited with Quantum Mechanical Calculations and Ultrashort Pulse Spectroscopy. ChemBioEng Reviews, 2014, 1, 230-240.	2.6	9
141	5th International Conference of the Flow Chemistry Society (Berlin, Germany, February 17â€"18, 2015). Green Processing and Synthesis, 2014, 3, .	1.3	0
142	Metallic nanoparticles made in flow and their catalytic applications in organic synthesis. Nanotechnology Reviews, 2014, 3, 65-86.	2.6	47
143	Rapid Trifluoromethylation and Perfluoroalkylation of Fiveâ€Membered Heterocycles by Photoredox Catalysis in Continuous Flow. ChemSusChem, 2014, 7, 1612-1617.	3.6	145
144	The accelerated preparation of 1,4-dihydropyridines using microflow reactors. Tetrahedron Letters, 2014, 55, 2090-2092.	0.7	20

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145	Eco-efficiency Analysis for Intensified Production of an Active Pharmaceutical Ingredient: A Case Study. Organic Process Research and Development, 2014, 18, 1326-1338.	1.3	28
146	Aerobic Câ€“H Olefination of Indoles via a Cross-Dehydrogenative Coupling in Continuous Flow. Organic Letters, 2014, 16, 5800-5803.	2.4	75
147	Photochemical Transformations Accelerated in Continuousâ€Flow Reactors: Basic Concepts and Applications. Chemistry - A European Journal, 2014, 20, 10562-10589.	1.7	416
148	A mild and fast photocatalytic trifluoromethylation of thiols in batch and continuous-flow. Chemical Science, 2014, 5, 4768-4773.	3.7	109
149	Lipase-Based Biocatalytic Flow Process in a Packed-Bed Microreactor. Industrial & Engineering Chemistry Research, 2013, 52, 10951-10960.	1.8	50
150	Ferrocene-derived P,N ligands: synthesis and application in enantioselective catalysis. Green Processing and Synthesis, 2013, 2, .	1.3	9
151	Micro reaction technology for valorization of biomolecules using enzymes and metal catalysts. Engineering in Life Sciences, 2013, 13, 326-343.	2.0	24
152	Membrane Microreactors: Gasâ€“Liquid Reactions Made Easy. ChemSusChem, 2013, 6, 405-407.	3.6	86
153	A supported aqueous phase catalyst coating in micro flow Mizorokiâ€“Heck reaction. Tetrahedron Letters, 2013, 54, 2194-2198.	0.7	13
154	The impact of Novel Process Windows on the Claisen rearrangement. Tetrahedron, 2013, 69, 2885-2890.	1.0	32
155	A View Through Novel Process Windows. Australian Journal of Chemistry, 2013, 66, 121.	0.5	39
156	Novel Process Windows for Enabling, Accelerating, and Uplifting Flow Chemistry. ChemSusChem, 2013, 6, 746-789.	3.6	521
157	Improving Energy Efficiency of Process of Direct Adipic Acid Synthesis in Flow Using Pinch Analysis. Industrial & Engineering Chemistry Research, 2013, 52, 7827-7835.	1.8	12
158	A Mild, Oneâ€Pot Stadlerâ€“Ziegler Synthesis of Arylsulfides Facilitated by Photoredox Catalysis in Batch and Continuousâ€Flow. Angewandte Chemie - International Edition, 2013, 52, 7860-7864.	7.2	182
159	Packedâ€Bed Microreactor for Continuousâ€Flow Adipic Acid Synthesis from Cyclohexene and Hydrogen Peroxide. Chemical Engineering and Technology, 2013, 36, 1001-1009.	0.9	64
160	Solventâ€•and Catalystâ€Free Huisgen Cycloaddition to Rufinamide in Flow with a Greener, Less Expensive Dipolarophile. ChemSusChem, 2013, 6, 2220-2225.	3.6	58
161	Chemical photocatalysis. Green Processing and Synthesis, 2013, 2, .	1.3	0
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